



# 21

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## SEQUENCE LISTING

&lt;110&gt; ARTEMIS PHARMACEUTICALS GmbH

&lt;120&gt; Recombinant Influenza Viruses with Bicistronic vRNAs Coding for Two Genes in Tandem Arrangement

&lt;130&gt; Kreisler 1092-KGB

<140>  
<141>

&lt;160&gt; 24

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 12

&lt;212&gt; RNA

&lt;213&gt; Influenza A virus

&lt;400&gt; 1

ccugcuuuug cu

12

&lt;210&gt; 2

&lt;211&gt; 12

&lt;212&gt; RNA

&lt;213&gt; Influenza B virus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(2)

&lt;223&gt; n=any nucleotide

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (3)

&lt;223&gt; y is t/u or c

&lt;400&gt; 2

nnygcuucug cu

12

&lt;210&gt; 3

&lt;211&gt; 12

&lt;212&gt; RNA

&lt;213&gt; Influenza C virus

&lt;400&gt; 3

ccugcuucug cu

12

&lt;210&gt; 4

&lt;211&gt; 12

&lt;212&gt; RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

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<223> Description of Artificial Sequence: Modified influenza A 3'-sequence (pHL1104 and pHL1920)

<400> 4

ccuguuucua cu

12

<210> 5

<211> 12

<212> RNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Modified influenza A 3'-sequence (pHL1948)

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ccugguucuc cu

12

<210> 6

<211> 13

<212> RNA

<213> Influenza A virus

<400> 6

aguagaaaaca agg

13

<210> 7

<211> 13

<212> RNA

<213> Influenza B virus

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<222> (6)

<223> w is a or t/u

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<222> (11)

<223> r is g or a

<400> 7

aguagwaaca rnn

13

<210> 8

<211> 13

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<212> RNA  
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<210> 9  
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<223> Description of Artificial Sequence: Modified influenza A 5'-sequence (pHL1920)

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21

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<210> 13  
<211> 19  
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<220>  
<223> Description of Artificial Sequence: Modified influenza C 5'-sequence

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<210> 14  
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15

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<223> Description of Artificial Sequence: Modified influenza C 3'-sequence

<400> 17  
ccccuguuuc uacu

14

<210> 18  
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<212> DNA  
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<210> 19  
<211> 32  
<212> DNA  
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32

<210> 20  
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<212> DNA  
<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence: pHL1920

&lt;400&gt; 20

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<223> Description of Artificial Sequence: pHL3196

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<213> Artificial Sequence

<220>  
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